

XXXI.—*Descriptions of some new Species of Heterocera from Tropical South America, and Two new Species of Geometridæ from West Africa.* By HERBERT DRUCE, F.L.S. &c.

Fam. Syntomidæ.

Homœocera sandion, sp. n.

Male.—Head and antennæ black, collar and tegulæ dark orange-yellow; thorax and abdomen greenish black, banded with orange-yellow at the base and on the sides of the abdomen; legs orange-yellow, banded with black. Primaries hyaline, the veins and margins black: secondaries hyaline, the veins and inner margin black.

Expanse $1\frac{1}{4}$ inch.

Hab. Colombia, Pueblo Rico, San Juan; Choco, 5200 feet (*Mus. Druce*).

Homœocera duronia, sp. n.

Male.—Head, palpi, thorax, and abdomen black; antennæ black, tipped with white, the base of the thorax and the last four segments of the abdomen banded with red; the underside of the abdomen metallic green; the legs pure white. Primaries hyaline, the base, costal margin, a spot at the end of the cell, and a mark below the apex on the outer margin all black; the veins dark: secondaries hyaline, the inner margin broadly black.

Expanse $1\frac{1}{2}$ inch.

Hab. Colombia, 2700 m. (*Mus. Druce*).

Allied to *Homœocera rodriguezii*, Druce.

Macrocneme semiviridis, sp. n.

Male.—Head, palpi, antennæ, collar, tegulæ, and thorax black, antennæ tipped with white; abdomen and legs bluish black, the sides of the abdomen spotted with white at the base; the underside of the abdomen with a central row of white spots extending from the base to the anus. Primaries black, the basal half metallic blue-green, the veins and fringe black: secondaries metallic blue-green, the apex and outer margin black, the fringe black. Underside very similar to the upperside.

Expanse $1\frac{3}{4}$ inch.

Hab. Colombia, Siato, Rio Siato; slopes of Choco, 5200 feet (*Mus. Druce*).

Fam. *Hypsidæ*.*Eucyane meres*, sp. n.

Male.—Head, antennæ, collar, tegulæ, and thorax black; abdomen and legs black, glossed with dark blue. Primaries black, crossed from the costal margin beyond the cell almost to the anal angle by a narrow crimson line, which is widest on the costal margin; the fringe black: secondaries glossy dark blue, almost black in some lights; the fringe black. The underside similar to the upperside, but the crimson band wider.

Expanse $2\frac{1}{4}$ inches.

Hab. Colombia, Siato, Rio Siato; slopes of Choco, 5200 feet (*Mus. Druce*).

Pericopis practides, sp. n.

Male.—Head, antennæ, palpi, collar, tegulæ, thorax, abdomen, and legs black, the tegulæ tipped with yellow, the sides of the abdomen spotted with white, the underside of the abdomen with a double row of yellow spots; the anal tuft red. Primaries blackish brown, shaded with semihyaline grey at the end of the cell and beyond the cell to the inner margin; the inner margin edged with chrome-yellow, extending from the base to the anal angle; a marginal row of small white dots extends from the apex to the anal angle; a red spot at the base of the wing: secondaries semihyaline white, clouded with blackish brown, the veins black; the costal and outer margin broadly bordered with chrome-yellow, edged with black on both sides; a series of white points extends from the apex to the anal angle. Underside very similar to the upperside, except that the outer margin of the primaries is broadly bordered with chrome-yellow almost to the apex.—*Female* very similar to the male, but browner and the marking more indistinct; the submarginal greyish-white line much more distinct; the abdomen banded with white.

Expanse, ♂ $2\frac{1}{2}$, ♀ 3 inches.

Hab. Colombia, Paso del Quindin, 3600 m. (*Mus. Druce*).

Allied to *Pericopis arema*, Boisd., and *Pericopis palmeri*, Druce.

Hyalurga grandis, sp. n.

Male.—Head and collar black, spotted with white; antennæ and legs black; tegulæ chrome-yellow, edged with black; thorax black, with two large white spots at the base;

abdomen above chrome-yellow, with a wide central black line extending from the base to the anus; a greyish-black line on each side of the abdomen, the underside pure white. Primaries semihyaline white, the costal margin, apex, outer and inner margin broadly bordered with chrome-yellow, edged with black on both sides, the veins and a spot at the end of the cell all black: secondaries hyaline white, broadly bordered with chrome-yellow from the apex to the anal angle; the veins all black. The underside of both wings very similar to the upperside, but with the outer margins much blacker.

Expanse $2\frac{1}{2}$ inches.

Hab. Peru, Chanchamayo (*Mus. Druce*).

This species is allied to *Hyalurga noquei*, Dogn.; it differs from all the other species of *Hyalurga* known to me by having all the veins of both wings black.

Hyalurga whiteleyi, sp. n.

Male.—Head, antennæ, and collar black, the head spotted with white; tegulæ yellow; thorax black, with two white spots at the base; abdomen fawn-colour above, the sides and underside white; a brownish-black line on each side extending from the base to the anus; legs black and white. Primaries whitish hyaline, the costal margin from the base to about the middle dark yellow, then grey nearly to the apex; the apex and outer margin to the anal angle edged with yellow, bordered with black on the inner side, the marginal line white; the fringe black; a narrow black line crosses the wing near the apex to the outer margin above the anal angle, the veins dusky: secondaries hyaline white, bordered with yellow from the apex to the anal angle, and edged with black on the inner side; the marginal line white; the fringe black. The underside very similar to the upperside, but without any of the yellow borders.

Expanse 2 inches.

Hab. Peru, Rio Napo (*Whiteley*); Ecuador, Sarayacu (*Buckley, Mus. Druce*).

Fam. **Lithosidæ**.

Josiomorphia albolineata, sp. n.

Male.—Head, palpi, antennæ, collar, tegulæ, and thorax black; abdomen glossy dark bluish black; legs black. Primaries black, with a wide white central band extending from the base and crossing the lower half of the cell almost to the outer margin; the fringe black: secondaries white, bordered

with black from the base to the apex and from the apex to the anal angle; the inner margin white; the fringe black. Underside as above.

Expanse $1\frac{3}{4}$ inch.

Hab. Colombia, Pueblo Rico, La Selva, San Juan; Choco, 2500 feet (*Mus. Druce*).

Josiomorphia andosa, sp. n.

Male.—Head, palpi, antennæ, collar, tegulæ, thorax, abdomen, and legs black; abdomen with a white line on each side extending from the base to the anus; the underside of the abdomen white. Primaries black; a pale yellow central band extends from the base to nearly the outer margin; the band is wide to the end of the cell and then becomes narrow: secondaries pale yellow, bordered with black on the costal and outer margins; the fringe black. Underside as above.

Expanse 2 inches.

Hab. Colombia, Siato, Rio Siato; Chaco, 5000 feet (*Mus. Druce*).

Allied to *Josiomorphia patula*, Walk., and *Josiomorphia striata*, Druce.

Fam. Cossidæ.

Brachylia inconspicua, sp. n.

Male.—Head, antennæ, collar, and thorax reddish brown; tegulæ reddish brown, with a white spot at the base; abdomen pale brown, clothed with greyish hairs. Primaries pale brown, striated with dark reddish-brown lines; three bands of reddish-brown spots edged with white cross the wing from the costal to the inner margin nearest the base; the fringe pale brown: secondaries blackish brown, mottled with grey spots. The underside of both wings very similar to the upperside, but paler in colour.

Expanse $1\frac{1}{2}$ inch.

Hab. W. Colombia, San Antonio, 5800 feet (*Mus. Druce*).

Brachylia dentilinea, sp. n.

Male.—Head, collar, tegulæ, thorax, and abdomen above pinkish brown; the underside of the abdomen and legs greyish; antennæ black. Primaries pale pinkish brown, darkest from the end of the cell to the apex and outer margin; a series of fine dentated dark brown lines cross the wing from the costal to the inner margin; the fringe dark brown: secondaries pale brown, striated with fine dark brown lines.

Underside of both wings very similar to the upperside.—
The *female* like the male, but slightly larger.

Expanse, ♂ $1\frac{1}{2}$, ♀ $1\frac{3}{4}$ inch.

Hab. Colombia, Tado, Rio San Juan; Choco, 250 feet
(*Mus. Druce*).

Langsdorphia pallida, sp. n.

Male.—Head, antennæ, collar, tegulæ, thorax, abdomen, and legs pale greyish brown. Primaries pale brown, the costal margin spotted with dark brown; a row of pear-shaped dark brown spots edged with white extends from the apex to the middle of the inner margin; a square-shaped brown spot edged with white close to the base; several indistinct white lines extend from the base partly across the wing; the fringe dark brown: secondaries greyish white, with a submarginal row of indistinct pale brown spots from the apex to the anal angle; the fringe dark brown.

Expanse $1\frac{1}{2}$ inch.

Hab. Chili (*Mus. Druce*).

Zeuzera itys, sp. n.

Male.—Head, collar, tegulæ, thorax, and abdomen sordid white; antennæ yellowish brown; legs greyish brown. Primaries white, thickly striated with fine brown lines; a black band close to the base and a black spot on the costal margin beyond the cell: secondaries white, the veins pale yellowish brown. Underside of both wings very similar to the upperside.

Expanse $1\frac{3}{4}$ inch.

Hab. Colombia, Jimenez; Rio Dagua, 1600 feet (*Mus. Druce*).

Zeuzera roxana, sp. n.

Male.—Head, collar, tegulæ, thorax, legs, and abdomen dark grey; antennæ yellowish brown. Primaries grey, thickly irrorated with dark brown scales; a short black band on the inner margin near the base; the fringe dark grey: secondaries dark grey, irrorated with black scales.

Expanse $1\frac{1}{2}$ inch.

Hab. Colombia, Tado, Rio San Juan; Choco, 250 feet
(*Mus. Druce*).

Zeuzera undulosa, sp. n.

Male.—Head, collar, tegulæ, thorax, abdomen, and legs greyish white; antennæ pale brown. Primaries white,

thickly marked with indistinct brown spots and small lines: secondaries greyish white. Underside similar to the upper-side.

Expanse $1\frac{1}{4}$ inch.

Hab. Colombia, Tado; Rio San Juan, 250 feet (*Mus. Druce*).

Fam. Notodontidæ.

Rosema falcata, sp. n.

Male.—Head, thorax, and tegulæ green; antennæ and collar black; base of thorax blackish brown; abdomen pinkish cream-colour; legs brown. Primaries green, the apex very slightly edged with brown; secondaries dark pinkish cream-colour. Underside of both wings pinkish brown, the primaries green on the inner margin.

Expanse $1\frac{3}{4}$ inch.

Hab. Colombia, Siato, Rio Siato; slopes of Chaco, 5200 feet (*Mus. Druce*).

Fam. Ægeridæ.

Ægeria ventralis, sp. n.

Male.—Head, antennæ, palpi, tegulæ, thorax, abdomen, and legs black; collar and anal tuft bright red, with some long black hairs beyond. Primaries and secondaries hyaline, the costal and outer margins of both wings black; the veins black.

Expanse 1 inch.

Hab. East Peru, Chanchamayo, 2000 m. (*Mus. Druce*).

Ægeria peruviana, sp. n.

Male.—Head, palpi, antennæ, collar, tegulæ, and thorax black; abdomen black, the two basal segments dark brown; legs pale yellowish brown. Primaries and secondaries pale yellowish hyaline, the veins all dark brown; the fringe of both wings brown.

Expanse 1 inch.

Hab. Peru, Chanchamayo, La Mercede, 1000 m. (*Mus. Druce*).

Fam. Geometridæ.

Agathia minuta, sp. n.

Male.—Head, collar, tegulæ, thorax, and abdomen pale green; antennæ brown; palpi green above, white on the underside; legs and underside of the abdomen whitish

brown. Primaries pea-green, the costal margin, a waved line crossing the wing at the end of the cell, and a band crossing the wing beyond pale brown; the marginal line brown; the fringe white: secondaries green, the anal angle and part of the outer margin pale greyish brown; the brown lines similar to those on the primaries. Underside of both wings uniformly pale whitish green, both wings with a rather wide submarginal black band.

Expanse 1 inch.

Hab. West Africa, Bitje, Ja River, Cameroons, 2000 feet, dry season (*Mus. Druce*).

Agatha (?) *semirufa*, sp. n.

Female.—Front of head and palpi black; head, collar, tegulæ, and thorax yellowish green; abdomen pale brown; legs black. Primaries yellowish green, broadly bordered from the middle of the outer margin to the anal angle with dark blackish brown: secondaries orange-red, broadly bordered from the apex to the anal angle with blackish brown, irrorated with orange-red scales; the fringes of both wings black. Underside of both wings red, with blackish-brown borders.

Expanse $1\frac{1}{4}$ inch.

Hab. West Africa, Bitje, Ja River, Cameroons, 2000 feet, dry season (*Mus. Druce*).

Oospila dolens, sp. n.

Male.—Head, collar, tegulæ, and thorax dull green; antennæ black; abdomen black above, greenish on the underside; legs brown. Primaries black, the base, a spot at the apex, and a small spot about the middle of the outer margin dull green; the fringe black: secondaries dull green, broadly bordered from the apex to the anal angle with black; a black dot at the end of the cell; the fringe black and dull white. Underside very similar to the upperside.

Expanse $1\frac{1}{10}$ inch.

Hab. West Colombia, La Maria, Dagua Valley, 4700 feet (*Mus. Druce*).

Racheospila ockendeni, sp. n.

Male.—Head, palpi, antennæ, collar, thorax, and abdomen reddish brown; tegulæ white, edged with green on the upper side; legs greenish white. Primaries dull green, banded and irrorated with white; a wide submarginal brown band extends from near the apex to the anal angle, where it is